

## Precipitated calcium carbonate and method for the production thereof

**Patent number:** CN1239933  
**Publication date:** 1999-12-29  
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**Classification:**  
- **international:** **C01F11/18; C09C1/02; D21H19/38; C01F11/00; C09C1/02; D21H19/00;** (IPC1-7): C01F11/18; C09C1/02  
- **european:** C01F11/18A; C01F11/18D; C09C1/02B; Y01N6/00  
**Application number:** CN19971080484 19971014  
**Priority number(s):** FI19960004130 19961014; FI19960004247 19961022; FI19970003633 19970908

### Also published as:

WO9816471 (A1)  
WO9816471 (A1)  
EP0944551 (A1)  
EP0944551 (A1)  
US6602484 (B1)  
JP2004262759 (A)  
EP0944551 (A0)  
BR9712316 (A)  
EP0944551 (B1)  
DE69721041T (T2)  
CA2268614 (C)  
AU743660B (B2)

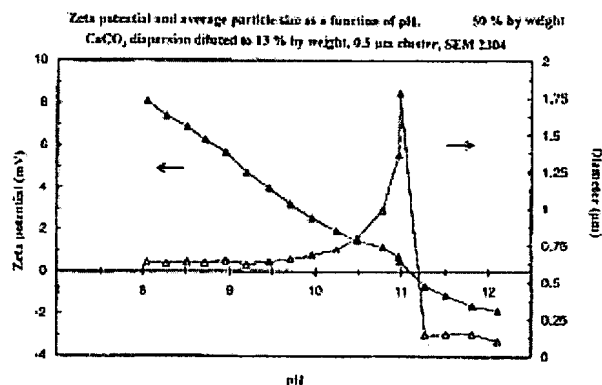
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Abstract not available for CN1239933

Abstract of correspondent: **WO9816471**

The invention concerns precipitated calcium carbonate products containing polynuclear regular agglomerates having a number of calcium carbonate particles (aggregates) attached to each other and having a particle size of about 40 to 200 nm. According to the invention, these products are prepared by adjusting the Z potential of the calcium carbonate suspension to -1...-20 mV by adjusting the pH of the suspension to 6.5...9.5. The pH of the calcium carbonate slurry obtained by causticizing is adjusted to a desired value in a box filter, where after the suspension is stirred by a heavy-duty mixer such that it is subjected to differences of about 50 to 200 m/s in peripheral speed. The products according to the invention have good opacity and are very well suited for coating paper.



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Title: Precipitated calcium carbonate and method for the production thereof			
Application Number:	97180484	Application Date:	1997.10.14
Publication Number:	1239933	Publication Date:	1999.12.29
Approval Pub. Date:	2002.12.25	Granted Pub. Date:	2002.12.25
International Classification: C01F11/18;C09C1/02			
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Abstract			
The invention concerns precipitated calcium carbonate products containing polynuclear regular agglomerates having a number of calcium carbonate particles (aggregates) attached to each other and having a particle size of about 40 to 200 nm. According to the invention, these products are prepared by adjusting the Z potential of the calcium carbonate suspension to -1...-20 mV by adjusting the pH of the suspension to 6.5...9.5. The pH of the calcium carbonate slurry obtained by causticizing is adjusted to a desired value in a box filter, where after the suspension is stirred by a heavy-duty mixer such that it is subjected to differences of about 50 to 200 m/s in peripheral speed. The products according to the invention have good opacity and are very well suited for coating paper.			

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## PATENTE DE INVENCIÓN

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## Uso Exclusivo DPI

21	Nº de Solicitud	22	Fecha de Solicitud
	00721-1999		16/04/1999
43	Fecha de Publicación		Estado
	11/11/1999		Desistida
11	Nº Registro Patente	45	Fecha Registro

12	<b>Tipo de Solicitud</b> <input checked="" type="radio"/> Patente de Invención <input type="radio"/> Patente de Precaucional <input type="radio"/> Modelo de Utilidad <input type="radio"/> Diseño Industrial	<b>Prioridad</b> 31 Nº 09047136 32 Fecha 24/03/1998 33 País ESTADOS UNIDOS DE AMERICA
51	<b>Clasificaciones IPC (0)</b> C01B031/24 C01F011/18	
54	<b>TÍTULO O MATERIA DE LA SOLICITUD</b> <b>PROCESO PARA LA PREPARACION DE PARTICULAS DISCRETAS DE CAR- BONATO DE CALCIO.</b>	
71	<b>SOLICITANTE</b> (Apellidos y Nombre o Razón Social, R.U.T - Domicilio, País - Región, Ciudad, Comuna, Correo Electrónico, Fono) <b>MINERALS TECHNOLOGIES INC., SOCIEDAD ORGANIZADA BAJO LAS LEYES DEL ESTADO DE DELAWARE , AVENUE, NEW YORK, NY 10174-1901 - ESTADOS UNIDOS DE AMERICA</b>	
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57	<b>RESUMEN</b> <b>Producto y proceso para la preparacion de particulas discretas de carbonato de calcio que resultan de la preparacion de una suspension acuosa de carbonato de calcio que contiene carbohidratos, carbonatar la suspension acuosa de carbonato de calcio mientras se mantiene la temperatura seleccionada para la iniciacion de la carbonatacion. El producto consisten en particulas discretas de carbonato de calcio que son especialmente utiles en pinturas, materiales plasticos, recubrimiento de papeles, rellenos o cargas de papeles, y, debido al nivel de pureza de las particulas de carbonato de calio, las mismas pueden ser utilizadas en aplicaciones cosmeticas, farmaceuticas y alimenticias.</b>	
De conformidad al Art. 44 de la Ley Nº 19.039 sobre Propiedad      Uso Exclusivo DPI		

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